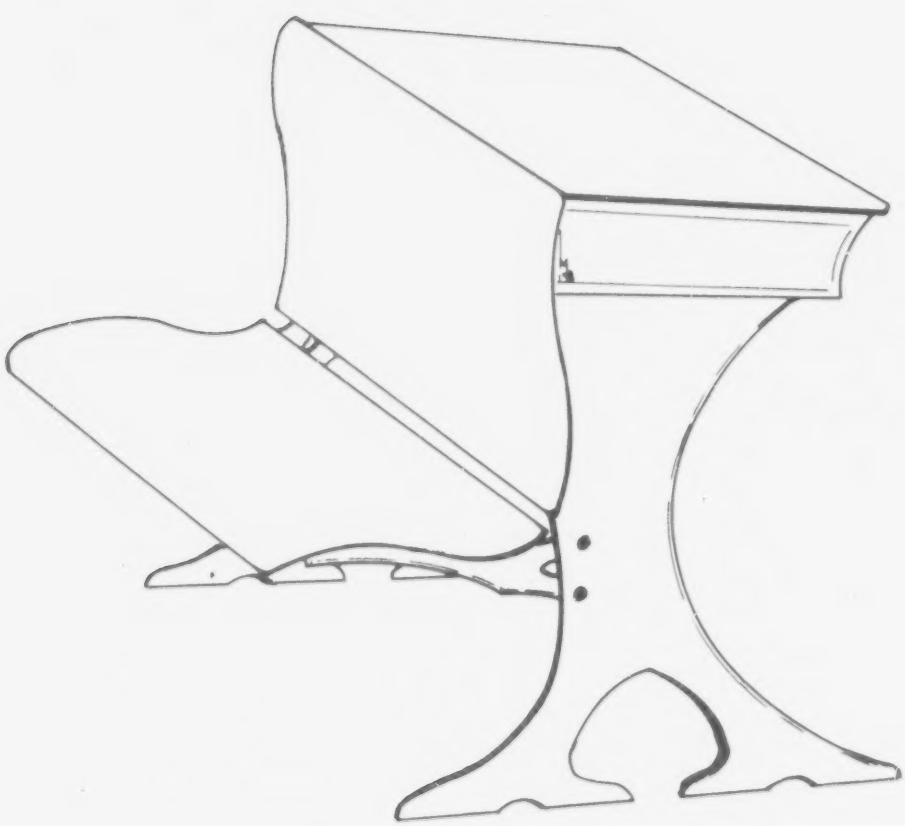
SSC40-2.1

Occupational Profile of Selected Educational Services



Nevada

1978

Occupational Profile of Selected Educational Services
April, 1978

Prepared By:
Employment Security Department
Employment Security Research Section
500 East Third Street
Carson City, Nevada 89713
February, 1979

Table of Contents

	Page
Introduction	1
Characteristics of Selected Educational Services (SIC 82, less 823)	3
Employment Trends - Selected Educational Services (1970-1977)	5
Methodology	32
Nevada OES Publications	35

List of Tables

Table		Page
1	Nevada Population, Annual Average Industrial Employment, and State and Local Government Educational Employment, 1970-1977	6
2	Las Vegas SMSA Population, Annual Average Industrial Employment, and State and Local Government Educational Employment, 1970-1977	7
3	Reno SMSA Population, Annual Average Industrial Employment, and State and Local Government Educational Employment, 1970-1977	8
4	State of Nevada; April 1978, Employment in Selected Educational Services (SIC 82, less 823)	13
5	State of Nevada; April 1978, Employment in Elementary and Secondary Schools (SIC 821)	15
6	State of Nevada; April 1978, Employment in Colleges, Universities, Professional Schools, and Junior Colleges (SIC 822)	17
7	Las Vegas SMSA; April 1978, Employment in Selected Educational Services (SIC 82, less 823)	20
8	Las Vegas SMSA; April 1978, Employment in Elementary and Secondary Schools (SIC 821)	22
9	Las Vegas SMSA; April 1978, Employment in Colleges, Universities, Professional Schools, and Junior Colleges (SIC 822)	24
10	Reno SMSA; April 1978, Employment in Selected Educational Services (SIC 82, less 823)	27
11	Reno SMSA; April 1978, Employment in Elementary and Secondary Schools (SIC 821)	29
12	Reno SMSA; April 1978, Employment in Colleges, Universities, Professional Schools, and Junior Colleges (SIC 822)	30
13	List of Occupations Included in the "All Other" Categories of Selected Educational Services (SIC 821, 822, 824, 829).	31
14	OES Educational Services Survey Universe and Usable Response	34

INTRODUCTION

The Nevada Employment Security Department regularly conducts occupational employment surveys through the Occupational Employment Statistics (OES) program. The surveys are designed to provide economists, labor analysts, educational planners, and others with current industry occupational data and employment projections to better evaluate local, state, and national planning needs.

This report presents the occupational profile of selected educational services in Nevada as of April 1978.[1] This is the first survey of these educational services under the OES program. Separated by industry group and area, the tables provide occupational employment estimates and the percentage distribution of each occupation.

A number of factors must be considered when interpreting the results of this survey. To be publishable, each occupational estimate had to be at least 10; otherwise, the occupation was placed in an "All Other" category. All estimates were rounded to the nearest 10, and the percentage distributions, which were computed from unrounded data, were rounded to the nearest tenth of a percent. Therefore, the detail may not add to the total in some cases.

Further information regarding the methodology used in the survey can be found in the last section of this report.

---

[1] Libraries and information centers which are grouped under educational services were included in the OES survey of Local, State and Federal Government, and thus were excluded from this survey.

Characteristics of Selected Educational Services (SIC* 82, less 823)

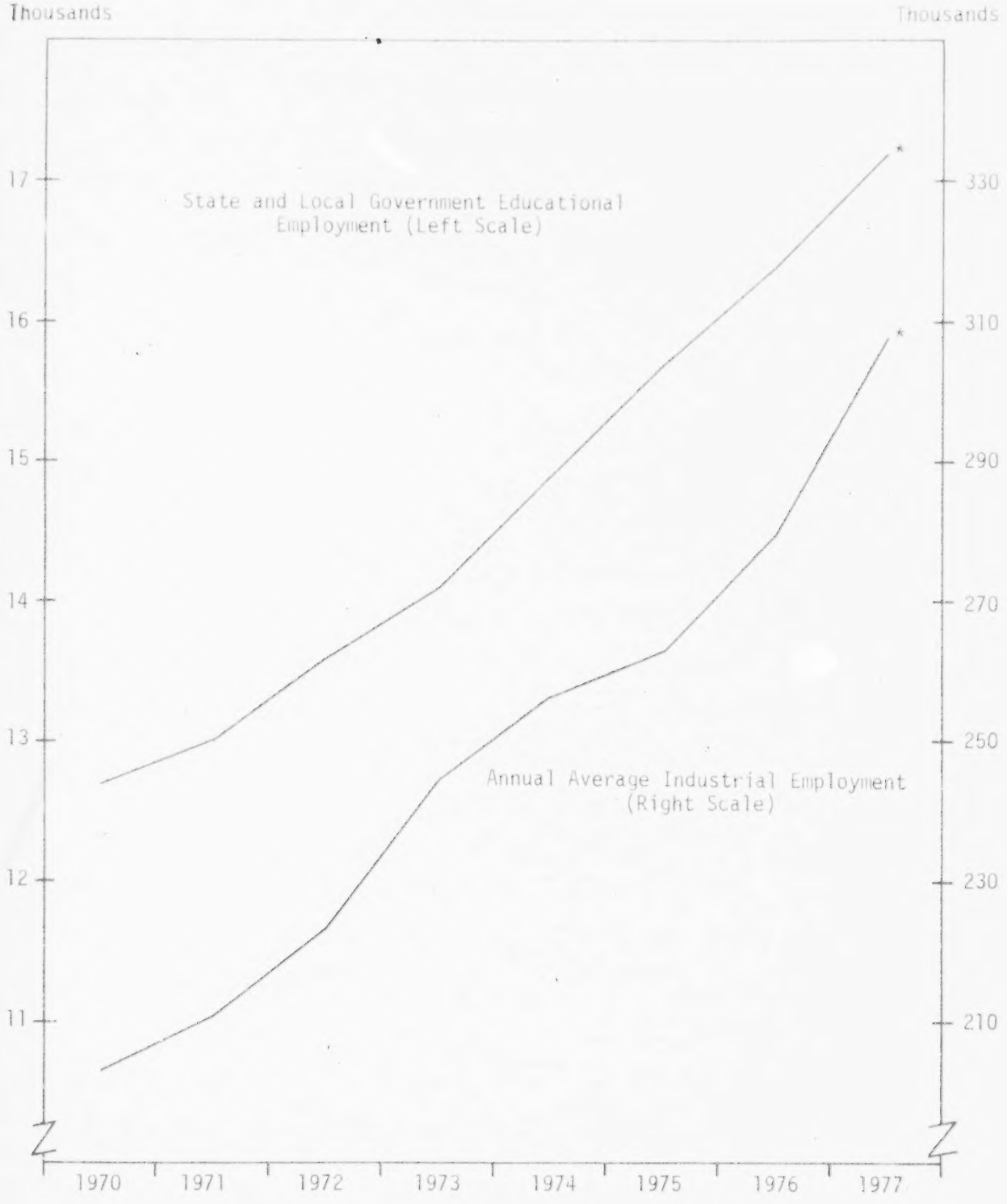
Establishments were surveyed from four of the five detailed groups within the major group entitled Educational Services (SIC 82). Libraries and information centers (SIC 823) were not surveyed; however, occupational data from libraries and information centers that are part of a broader educational service (e.g. university) are included.

The included detailed groups were elementary and secondary schools (SIC 821); colleges, universities, professional schools, and junior colleges (SIC 822); correspondence schools and vocational schools (SIC 824); and schools and educational services, not elsewhere classified (SIC 829).

SIC 821 consists of institutions below the university level (ordinarily grades 1 through 12) including denominational and sectarian, as well as kindergartens and military academies. SIC 822 includes those establishments requiring for admission at least a high school diploma or equivalent general academic training that grant academic degrees, or associate academic degrees, certificates or diplomas. SIC 824 is composed of establishments engaged in furnishing educational courses by mail; those offering data processing courses in programming and in computer and peripheral equipment operation; those offering courses in business machines operation, office procedures and secretarial and stenographic skills; or those offering other specialized trade or commercial courses. SIC 829 includes specialized nondegree granting schools, not elsewhere classified, such as music schools, dramatic schools, language schools, and short term examination preparatory schools.

*SIC = 1972 Standard Industrial Classification

Annual Average Industrial Employment and State and Local Government Educational Employment
1970 - 1977



*(1977 - preliminary estimate)

Employment Trends - Selected Educational Services (1970-1977)

Complete Unemployment Insurance coverage for many public and private educational services is lacking and consequently historical employment data for SIC 82 is not available. However, accurate estimates of employment in state and local government education have been maintained and can be used to present a reliable representation of trends.[2]

Although tables 1 through 3 identify strong growth in the educational sector throughout the State, they also point up the fact that the relative economic significance of jobs in education is declining. In each case, area educational employment growth failed to keep pace with the gains in total industrial employment. In part, this is due to the rapid economic development the State has experienced. This drift also appears consistent with the social and demographic changes that have been occurring, particularly the aging of the population and the fact that many new jobs are being filled by persons without school-age dependents or spouses seeking a second family income. Offsetting these trends somewhat is an emerging demand by adults for continuing education programs, as evidenced by the expansion of the community college system. Community colleges as well as trade, vocational, and other specialized schools are now fulfilling needs that were, at one time, unmet.

Nevertheless, a growth paradox does exist in most of the State. While the increase in educational jobs has fallen behind overall job expansion, it has outpaced population growth in both SMSA's and in the State as a

---

[2] Judging from the results of the survey, nongovernmental educational services employment comprises less than 6 percent of total educational services employment.

Table 1

Nevada
Population, Annual Average Industrial Employment, and State and Local Government Educational Employment
1970-1977

	Annual Average Establishment-Based Industrial Employment (in thousands)	State and Local Government Educational Employment (in thousands)	Population# (in thousands)
1970	203.0	12.7	488.7
1971	210.6	13.0	510.2
1972	223.4	13.6	527.4
1973	244.6	14.1	551.9
1974	256.1	14.9	574.0
1975	263.1	15.7	590.3
1976	279.8	16.4	612.7
1977*	307.4	17.2	633.4
Percentage Change 1970-1977	51.4%	35.4%	29.6%
Average Annual Growth Rate	6.1%	4.4%	3.8%

*Preliminary
#Source: State Planning Coordinator

Table 2

Las Vegas SMSA
Population, Annual Average Industrial Employment, and State and Local Government Educational Employment
1970-1977

	Annual Average Establishment-Based Industrial Employment (in thousands)	State and Local Government Educational Employment (in thousands)	Population# (in thousands)
1970	111.2	6.1	273.3
1971	113.8	6.0	286.7
1972	120.0	6.3	295.8
1973	132.3	6.6	307.8
1974	139.3	7.0	321.1
1975	143.5	7.2	330.7
1976	153.3	8.0	345.3
1977*	167.5	8.5	359.8
Percentage Change 1970-1977	50.6%	39.3%	31.7%
Average Annual Growth Rate	6.0%	4.9%	4.0%

*Preliminary
#Source: State Planning Coordinator

Table 3

Reno SMSA
Population, Annual Average Industrial Employment, and State and Local Government Educational Employment
1970-1977

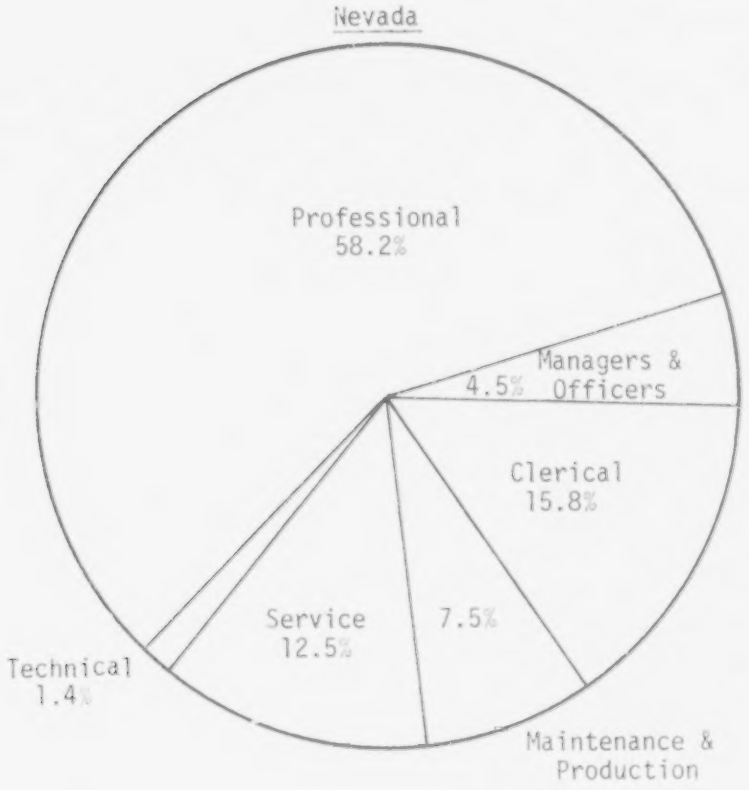
	Annual Average Establishment-Based Industrial Employment (in thousands)	State and Local Government Educational Employment (in thousands)	Population# (in thousands)
1970	56.6	4.5	121.1
1971	60.3	4.7	126.2
1972	64.1	5.0	130.5
1973	69.4	5.0	136.7
1974	71.4	5.3	141.9
1975	74.0	5.8	145.0
1976	79.7	6.0	150.4
1977*	89.1	6.1	156.1
Percentage Change 1970-1977	57.4%	35.6%	28.9%
Average Annual Growth Rate	6.7%	4.4%	3.7%

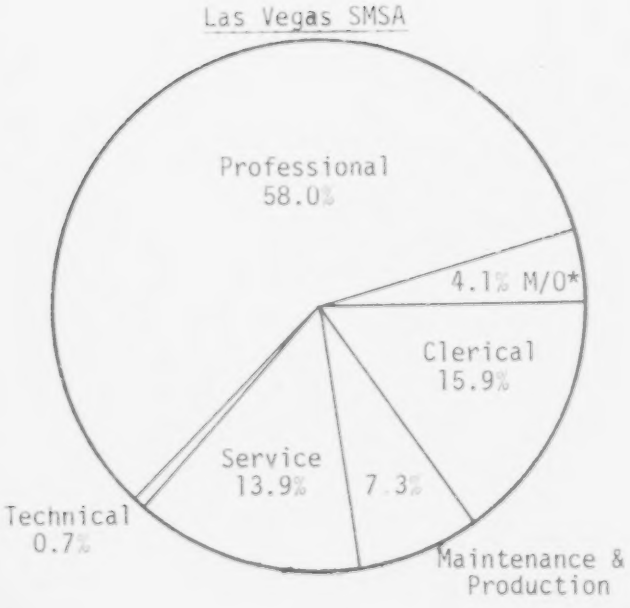
*Preliminary
#Source: State Planning Coordinator
Note: Educational employment included some community college employment outside of the Reno SMSA. 1976 and 1977 employment figures were adjusted to reflect this situation. Actual employment was 5,500 and 5,600 respectively.

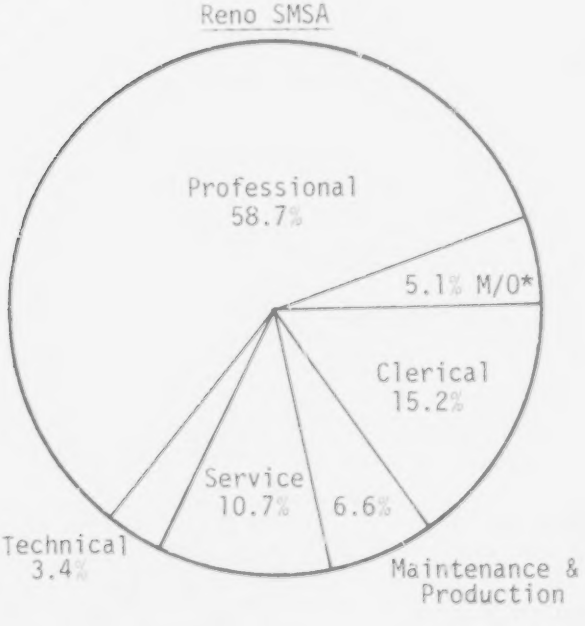
whole. Measured in government educational jobs per thousand population, a gain of over 4.5 percent is evident statewide. In Las Vegas, the increase was nearly 6 percent, while Reno grew by better than 5 percent.

Following are tables and graphs which identify the staffing patterns of the educational services industries. The composite distribution of selected educational services is followed by estimates for SIC's 821 and 822 for each reported geographical area. Also included are graphs which show the statewide broad occupational groupings of SIC's 824 and 829, for which insufficient data existed to detail specific occupations. Predictably, the tables reveal that the lion's share of educational employment is in professional occupations. Clerical and service occupations are also significant, and the combination of these three job categories comprise more than 85 percent of total educational services employment.

Selected Educational Services - Employment Distribution
(SIC 82, Less 823)

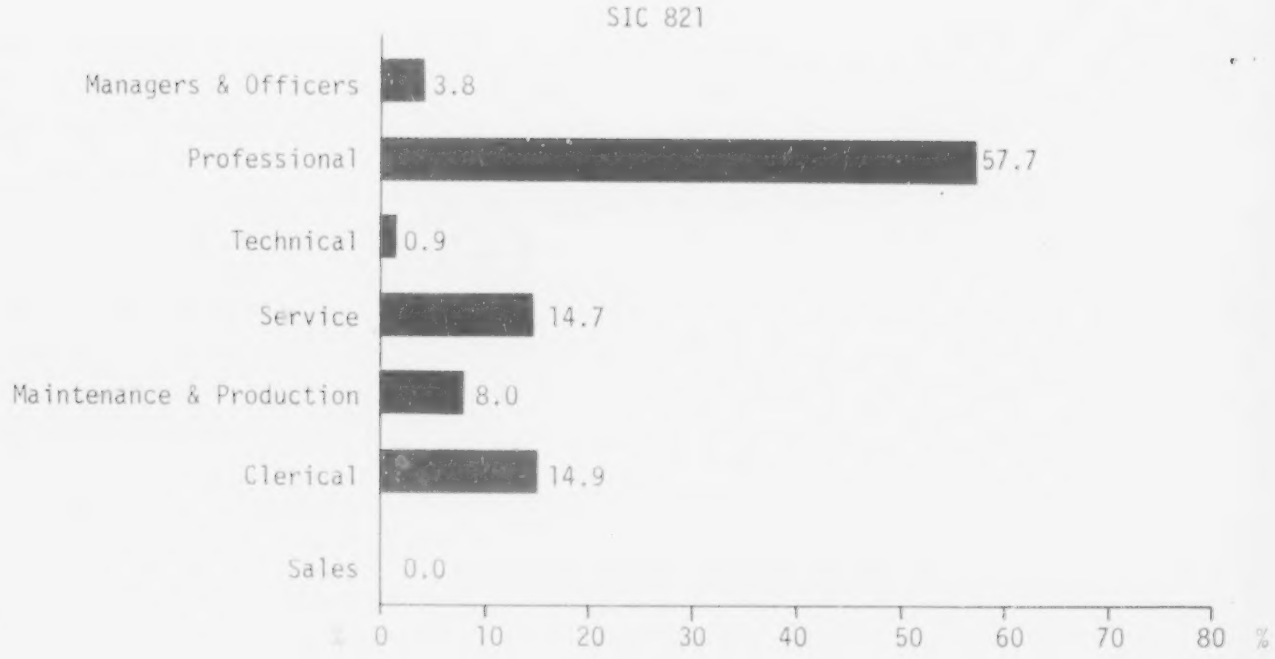


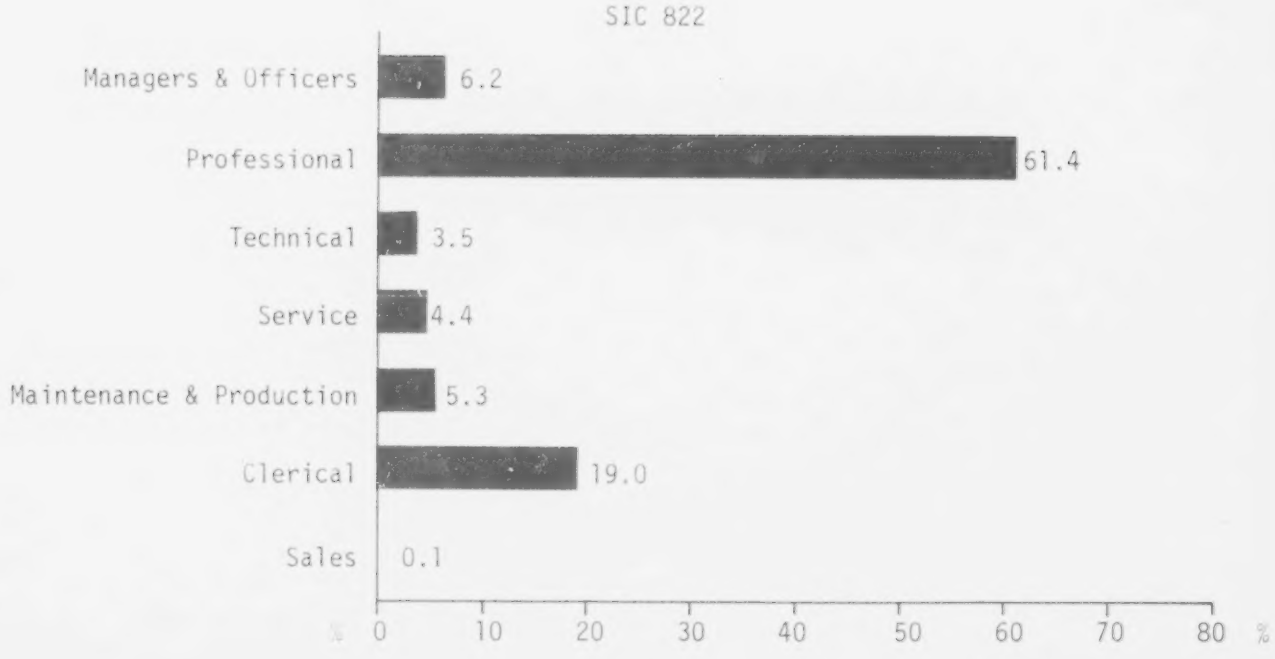




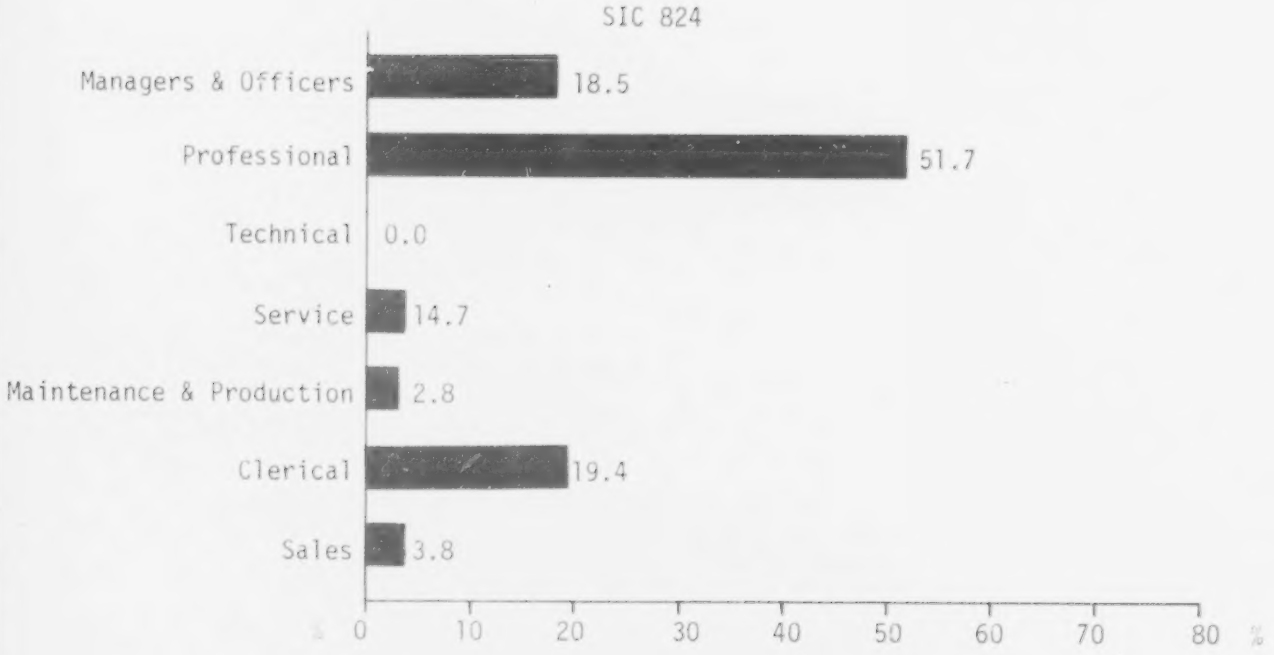
*M/O = Managers & Officers

State of Nevada Educational Services
Occupational Distribution
April, 1978





State of Nevada Educational Services
Occupational Distribution
April, 1978



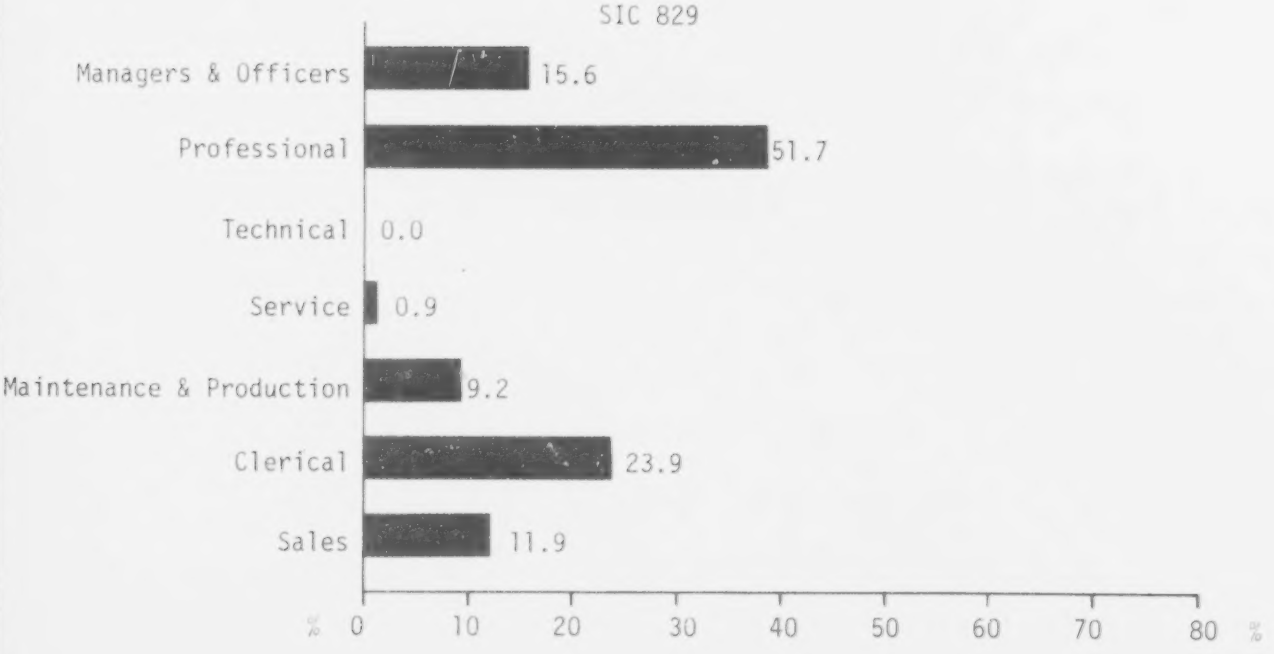


Table 4

STATE OF NEVADA, APRIL 1978
ESTIMATED OCCUPATIONAL EMPLOYMENT IN SELECTED EDUCATIONAL SERVICES
(SIC 82, less 823)

Occupation	Estimated Employment	Percent of Total Employment
ALL OCCUPATIONS	18,050	100.0
MANAGERS AND OFFICERS	810	4.5
PROFESSIONAL OCCUPATIONS	10,510	58.2
AGRICULTURAL SCIENTISTS	40	0.2
PSYCHOLOGISTS	30	0.2
TEACHERS (PRESCHOOL)	340	1.9
TEACHERS (ELEMENTARY)	4,130	22.9
TEACHERS (SECONDARY)	2,950	16.3
TEACHERS (COLLEGE)	1,590	8.8
TEACHERS (VOCATIONAL EDUCATION)	130	0.7
TEACHERS (ADULT EDUCATION)	100	0.6
EDUCATIONAL/VOCATIONAL COUNSELORS	300	1.7
GRADUATE ASSISTANTS	240	1.3
TEACHERS, N.E.C.	10	0.1
PURCHASING AGENTS	10	0.1
ACCOUNTANTS AND AUDITORS	40	0.2
LIBRARIANS	200	1.1
PROFESSIONAL NURSES	70	0.4
SPEECH/HEARING CLINICIANS	60	0.3
AUDIO/VISUAL SPECIALISTS	10	0.1
EXTENSION SERVICE SPECIALISTS	70	0.4
ALL OTHER PROFESSIONAL OCCUPATIONS	190	1.0
TECHNICAL OCCUPATIONS	250	1.4
ENGINEERING TECHNICIANS, N.E.C.	30	0.1
SCIENCE TECHNICIANS	50	0.3
LICENSED PRACTICAL NURSES	30	0.2
TECHNICAL ASSISTANTS (LIBRARY)	110	0.6
ALL OTHER TECHNICAL OCCUPATIONS	30	0.2
SERVICE OCCUPATIONS	2,250	12.5
JANITORS	1,090	6.0
GUARDS AND DOORKEEPERS	60	0.3
BREAD/PASTRY BAKERS	60	0.3
KITCHEN HELPERS	50	0.3
COUNTER ATTENDANTS	10	0.1
INSTITUTIONAL COOKS	310	1.7
FOOD SERVICE WORKERS, N.E.C.	370	2.0
CHILD CARE ATTENDANT	90	0.5
NONWORKING SERVICE SUPERVISORS	90	0.5
NURSE AIDES/ORDERLIES	40	0.2
CHILD CARE ATTENDANTS	20	0.1
SCHOOL MONITORS	140	0.8
ALL OTHER SERVICE OCCUPATIONS	10	0.0

Table 4 (Cont.)

STATE OF NEVADA, APRIL 1978
ESTIMATED OCCUPATIONAL EMPLOYMENT IN SELECTED EDUCATIONAL SERVICES
(SIC 82, less 823)

Occupation	Estimated Employment	Percent of Total Employment
MAINTENANCE AND PRODUCTION OCCUPATIONS	1,350	7.5
AUTOMOTIVE MECHANICS	30	0.2
MAINTENANCE MECHANICS	10	0.5
TRUCK DRIVERS	20	0.1
BUS DRIVERS	660	3.6
CARPENTERS	20	0.1
NONWORKING SUPERVISORS	30	0.2
GENERAL UTILITY MAINTENANCE REPAIRERS	230	1.3
TRADES HELPERS	40	0.2
MAINTENANCE PAINTERS	30	0.2
PRESS OPERATORS	40	0.2
STATIONARY BOILER FIRERS	40	0.2
GARDENERS	130	0.7
OPERATIVES N.E.C.	20	0.1
LABORERS, N.E.C.	20	0.1
ALL OTHER MAINTENANCE AND PRODUCTION OCCUPATIONS	30	.1
CLERICAL OCCUPATIONS	2,860	15.8
BOOKKEEPING MACHINE OPERATORS	20	0.1
COMPUTER OPERATORS	10	0.1
KEYPUNCH OPERATORS	20	0.1
STENOGRAPHERS	80	0.4
ACCOUNTING CLERKS	40	0.2
HAND BOOKKEEPERS	50	0.3
CASHIERS	10	0.1
GENERAL OFFICE CLERKS	180	1.0
LIBRARY ASSISTANTS	70	0.4
MAIL CLERKS	10	0.1
SECRETARIES	520	2.9
SWITCHBOARD OPERATORS/RECEPTIONISTS	10	0.1
TYPISTS	460	2.5
TEACHER AIDES/EDUCATIONAL ASSISTANTS	1,160	6.4
ADMISSIONS EVALUATORS	30	0.1
OFFICE CLERKS, N.E.C.	100	0.6
STOCK CLERKS	30	0.2
PLANT CLERKS, N.E.C.	10	0.1
ALL OTHER CLERICAL OCCUPATIONS	40	0.2
SALES OCCUPATIONS	30	0.1
SALES REPRESENTATIVES	20	0.1
ALL OTHER SALES OCCUPATIONS	10	0.0

Note: Totals may not add due to rounding.

Table 5

STATE OF NEVADA, APRIL 1978
ESTIMATED OCCUPATIONAL EMPLOYMENT IN ELEMENTARY AND SECONDARY SCHOOLS
(SIC 821)

Occupation	Estimated Employment	Percent of Total Employment
ALL OCCUPATIONS	14,150	100.0
MANAGERS AND OFFICERS	540	3.8
PROFESSIONAL OCCUPATIONS	8,160	57.7
PSYCHOLOGISTS	30	0.2
TEACHERS (PRESCHOOL)	340	2.4
TEACHERS (ELEMENTARY)	4,130	29.2
TEACHERS (SECONDARY)	2,950	20.8
TEACHERS (ADULT EDUCATION)	50	0.4
EDUCATIONAL/VOCATIONAL COUNSELORS	260	1.9
TEACHERS, N.E.C.	10	0.1
ACCOUNTANTS AND AUDITORS	10	0.1
LIBRARIANS	150	1.1
PROFESSIONAL NURSES	70	0.5
SPEECH/HEARING CLINICIANS	60	0.4
ALL OTHER PROFESSIONAL OCCUPATIONS	100	0.7
TECHNICAL OCCUPATIONS	120	0.9
ENGINEERING TECHNICIANS, N.E.C.	30	0.2
LICENSED PRACTICAL NURSES	30	0.2
TECHNICAL ASSISTANTS (LIBRARY)	60	0.4
ALL OTHER TECHNICAL OCCUPATIONS	10	0.0
SERVICE OCCUPATIONS	2,090	14.7
JANITORS	950	6.7
GUARDS AND DOORKEEPERS	40	0.3
BREAD/PASTRY BAKERS	60	0.4
KITCHEN HELPERS	50	0.4
COUNTER ATTENDANTS	10	0.1
INSTITUTIONAL COOKS	310	2.2
FOOD SERVICE WORKERS, N.E.C.	370	2.6
CHILD CARE ATTENDANTS	20	0.1
NONWORKING SERVICE SUPERVISORS	80	0.6
NURSE AIDES/ORDERLIES	40	0.3
CHILD CARE WORKERS	20	0.1
SCHOOL MONITORS	140	1.0
ALL OTHER SERVICE OCCUPATIONS	10	0.0
MAINTENANCE AND PRODUCTION OCCUPATIONS	1,140	8.0
AUTOMOTIVE MECHANICS	30	0.2
TRUCK DRIVERS	20	0.2
BUS DRIVERS	650	4.6
CARPENTERS	20	0.1

Table 5 (Cont.)

STATE OF NEVADA, APRIL 1978
ESTIMATED OCCUPATIONAL EMPLOYMENT IN ELEMENTARY AND SECONDARY SCHOOLS
(SIC 821)

Occupation	Estimated Employment	Percent of Total Employment
MAINTENANCE AND PRODUCTION OCCUPATIONS (Cont.)		
NONWORKING SUPERVISORS	30	0.2
GENERAL UTILITY MAINTENANCE REPAIRERS	200	1.4
TRADES HELPERS	30	0.2
MAINTENANCE PAINTERS	30	0.2
PRESS OPERATORS	30	0.2
STATIONARY BOILER FIRERS	30	0.2
GARDENERS	70	0.5
ALL OTHER MAINTENANCE AND PRODUCTION OCCUPATIONS	10	0.0
CLERICAL OCCUPATIONS	2,110	14.9
BOOKKEEPING MACHINE OPERATORS	20	0.1
COMPUTER OPERATORS	10	0.1
KEYPUNCH OPERATORS	10	0.1
HAND BOOKKEEPERS	30	0.3
GENERAL OFFICE CLERKS	90	0.7
LIBRARY ASSISTANTS	30	0.2
SECRETARIES	340	2.4
TYPISTS	280	2.0
TEACHER AIDES/EDUCATIONAL ASSISTANTS	1,160	8.2
OFFICE CLERKS, N.E.C.	80	0.5
STOCK CLERKS	30	0.2
PLANT CLERKS, N.E.C.	10	0.1
ALL OTHER CLERICAL OCCUPATIONS	20	0.1

Note: Totals may not add due to rounding.

Table 6

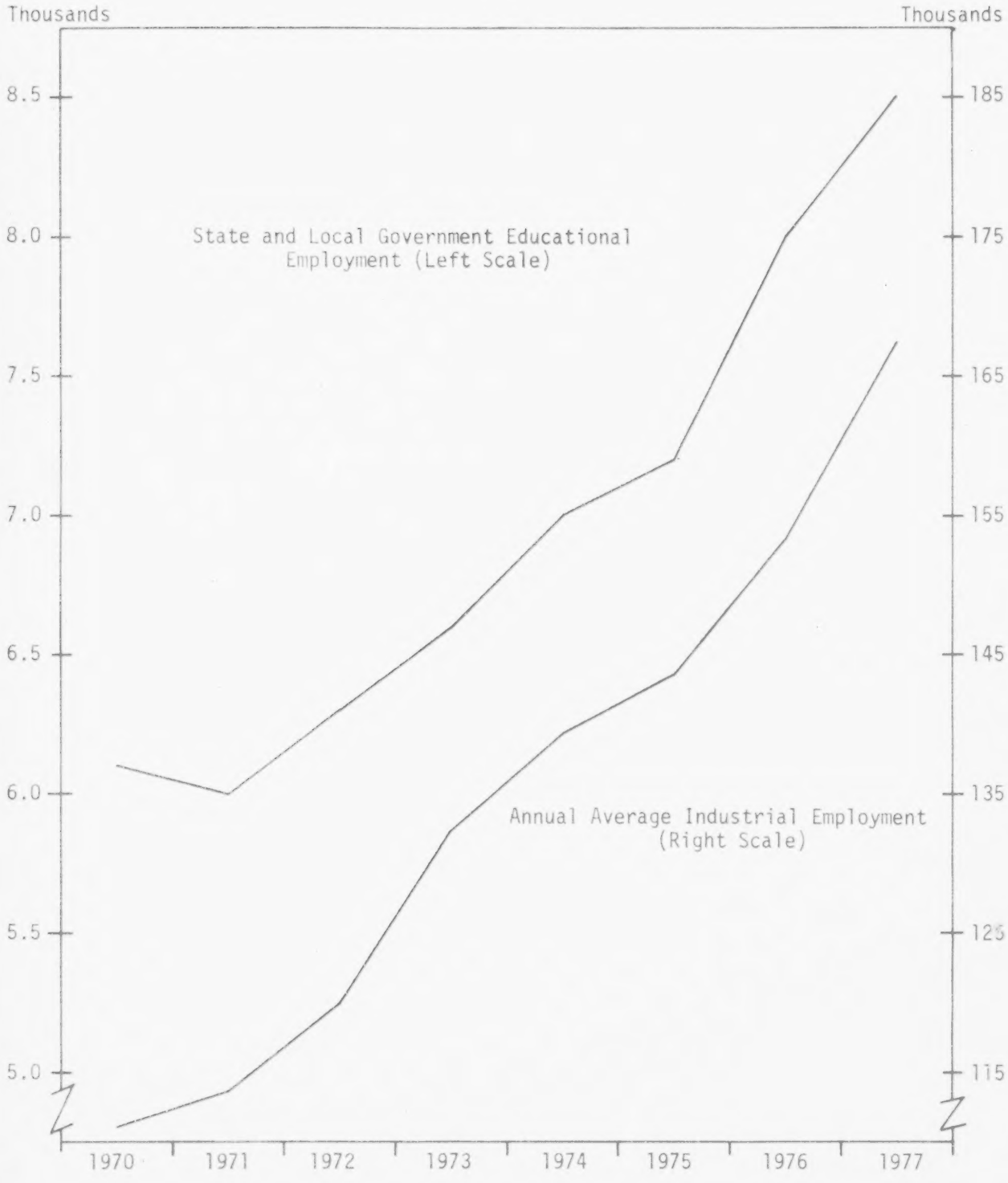
STATE OF NEVADA, APRIL 1978
ESTIMATED OCCUPATIONAL EMPLOYMENT IN COLLEGES,
UNIVERSITIES, PROFESSIONAL SCHOOLS, AND JUNIOR COLLEGES
(SIC 822)

Occupation	Estimated Employment	Percent of Total Employment
ALL OCCUPATIONS	3,580	100.0
MANAGERS AND OFFICERS	220	6.2
PROFESSIONAL OCCUPATIONS	2,200	61.4
AGRICULTURAL SCIENTISTS	40	1.2
TEACHERS (COLLEGE)	1,590	44.5
TEACHERS (ADULT EDUCATION)	40	1.0
EDUCATIONAL/VOCATIONAL COUNSELORS	30	1.0
GRADUATE ASSISTANTS	240	6.7
ACCOUNTANTS AND AUDITORS	20	0.6
LIBRARIANS	50	1.3
EXTENSION SERVICE SPECIALISTS	70	2.0
ALL OTHER PROFESSIONAL OCCUPATIONS	110	3.0
TECHNICAL OCCUPATIONS	120	3.5
SCIENCE TECHNICIANS	50	1.5
TECHNICAL ASSISTANTS (LIBRARY)	50	1.3
ALL OTHER TECHNICAL OCCUPATIONS	20	0.7
SERVICE OCCUPATIONS	160	4.4
JANITORS	130	3.7
GUARDS AND DOORKEEPERS	20	0.5
ALL OTHER SERVICE OCCUPATIONS	10	0.2
MAINTENANCE AND PRODUCTION OCCUPATIONS	190	5.3
MAINTENANCE MECHANICS	10	0.3
GENERAL UTILITY MAINTENANCE REPAIRERS	20	0.4
TRADES HELPERS	10	0.4
STATIONARY BOILERS FIRERS	20	0.4
GARDENERS	60	1.6
OPERATIVES, N.E.C.	20	0.7
LABORERS, N.E.C.	20	0.4
ALL OTHER MAINTENANCE AND PRODUCTION OCCUPATIONS	40	1.2
CLERICAL OCCUPATIONS	680	19.0
STENOGRAPHERS	80	2.1
ACCOUNTING CLERKS	40	1.0
GENERAL OFFICE CLERKS	80	2.2
LIBRARY ASSISTANTS	50	1.3
SECRETARIES	160	4.6
SWITCHBOARD OPERATORS/RECEPTIONISTS	10	0.3
TYPISTS	170	4.8
ADMISSIONS EVALUATORS	20	0.5
OFFICE CLERKS, N.E.C.	30	0.7
ALL OTHER CLERICAL OCCUPATIONS	60	1.6
SALES OCCUPATIONS	10	0.1

Note: Totals may not add due to rounding.

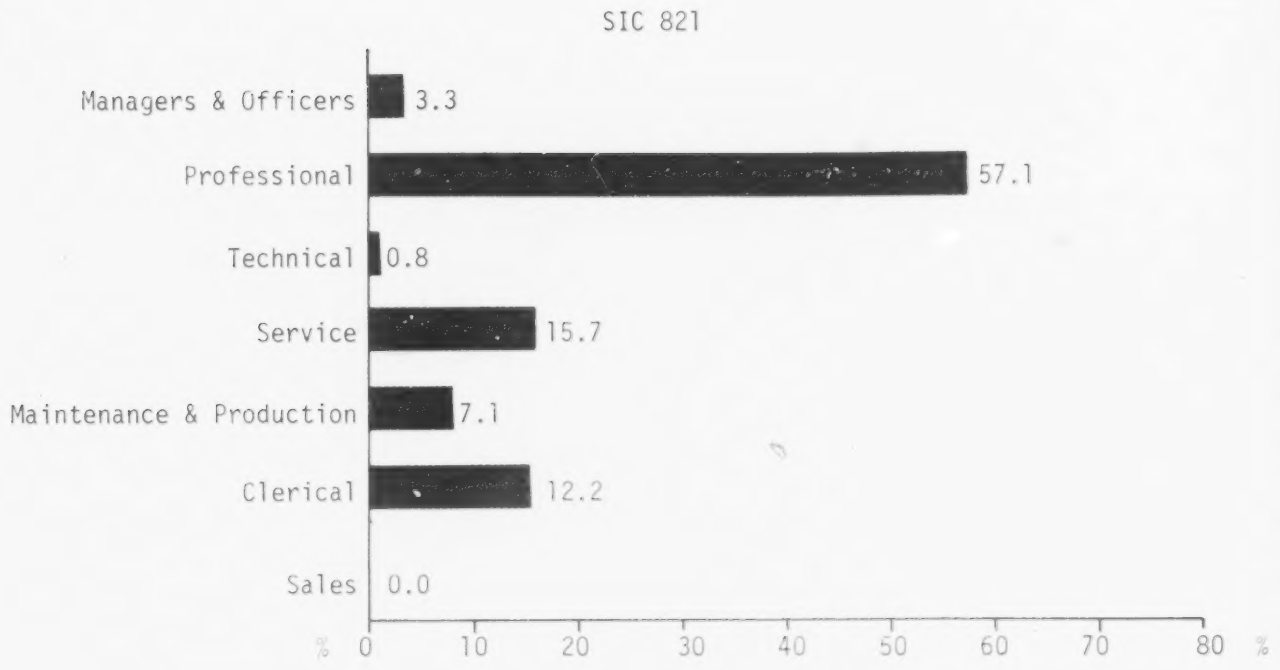
LAS VEGAS

Annual Average Industrial Employment and State and Local Government Educational Employment
1970 - 1977



*(1977 - preliminary estimate)

Las Vegas Educational Services Occupational Distribution
April, 1978



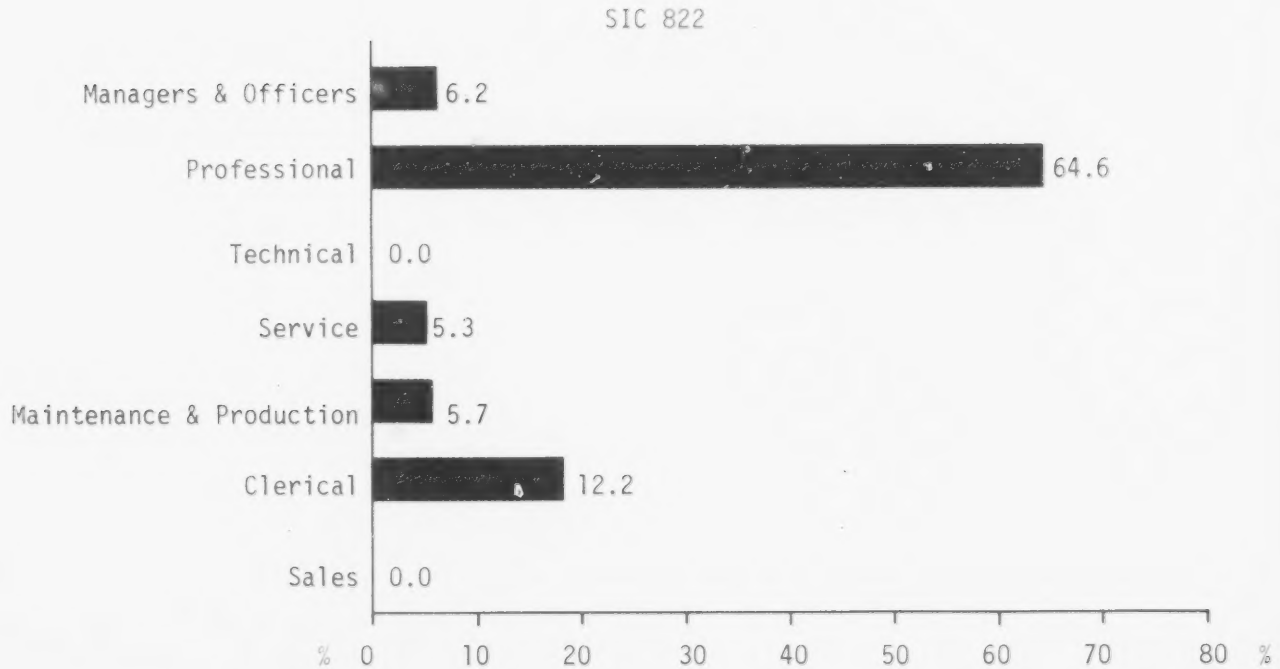


Table 7

LAS VEGAS SMSA, APRIL 1978
ESTIMATED OCCUPATIONAL EMPLOYMENT IN SELECTED EDUCATIONAL SERVICES
(SIC 82, less 823)

Occupation	Estimated Employment	Percent of Total Employment
ALL OCCUPATIONS	9,310	100.0
MANAGERS AND OFFICERS	380	4.1
PROFESSIONAL OCCUPATIONS	5,400	58.0
PSYCHOLOGISTS	30	0.3
TEACHERS (PRESCHOOL)	200	2.1
TEACHERS (ELEMENTARY)	2,130	22.8
TEACHERS (SECONDARY)	1,710	18.3
TEACHERS (COLLEGE)	710	7.6
TEACHERS (VOCATIONAL EDUCATION)	110	1.2
EDUCATIONAL/VOCATIONAL COUNSELORS	150	1.7
GRADUATE ASSISTANTS	80	0.9
ACCOUNTANTS AND AUDITORS	10	0.1
LIBRARIANS	120	1.2
PROFESSIONAL NURSES	20	0.3
SPEECH/HEARING CLINICIANS	20	0.2
ALL OTHER PROFESSIONAL OCCUPATIONS	20	0.2
TECHNICAL OCCUPATIONS	60	0.7
ENGINEERING TECHNICIANS, N.E.C.	30	0.3
LICENSED PRACTICAL NURSES	30	0.3
ALL OTHER TECHNICAL OCCUPATIONS	10	0.1
SERVICE OCCUPATIONS	1,300	13.9
JANITORS	630	6.7
GUARDS AND DOORKEEPERS	30	0.3
BREAD/PASTRY BAKERS	40	0.4
INSTITUTIONAL COOKS	10	0.1
FOOD SERVICE WORKERS, N.E.C.	370	3.9
CHILD CARE ATTENDANTS	20	0.2
NONWORKING SERVICE SUPERVISORS	70	0.7
NURSE AIDES/ORDERLIES	40	0.4
CHILD CARE WORKERS	20	0.2
SCHOOL MONITORS	80	0.8
MAINTENANCE AND PRODUCTION OCCUPATIONS	680	7.3
AUTOMOTIVE MECHANICS	30	0.3
TRUCK DRIVERS	20	0.3
BUS DRIVERS	280	3.0
CARPENTERS	10	0.1
NONWORKING SUPERVISORS	10	0.1
GENERAL UTILITY MAINTENANCE REPAIRERS	140	1.5

Table 7 (Cont.)

LAS VEGAS SMSA, APRIL 1978
ESTIMATED OCCUPATIONAL EMPLOYMENT IN SELECTED EDUCATIONAL SERVICES
(SIC 82, less 823)

Occupation	Estimated Employment	Percent of Total Employment
MAINTENANCE AND PRODUCTION OCCUPATIONS (Cont.)		
TRADES HELPERS	30	0.4
MAINTENANCE PAINTERS	20	0.2
PRESS OPERATORS	30	0.3
STATIONARY BOILER FIRERS	20	0.2
GARDENERS	70	0.8
ALL OTHER MAINTENANCE AND PRODUCTION OCCUPATIONS	20	0.2
CLERICAL OCCUPATIONS	1,480	15.9
STENOGRAPHERS	20	0.2
ACCOUNTING CLERKS	20	0.2
HAND BOOKKEEPERS	30	0.3
GENERAL OFFICE CLERKS	110	1.2
LIBRARY ASSISTANTS	30	0.3
SECRETARIES	220	2.4
TYPISTS	300	3.2
TEACHER AIDES/EDUCATIONAL ASSISTANTS	660	7.1
ADMISSIONS EVALUATORS	10	0.1
STOCK CLERKS	30	0.3
PLANT CLERKS, N.E.C.	10	0.1
ALL OTHER CLERICAL OCCUPATIONS	40	0.5
SALES OCCUPATIONS	10	0.1

Note: Totals may not add due to rounding.

Table 8

LAS VEGAS SMSA, APRIL 1978
ESTIMATED OCCUPATIONAL EMPLOYMENT IN ELEMENTARY AND SECONDARY SCHOOLS
(SIC 821)

Occupation	Estimated Employment	Percent of Total Employment
ALL OCCUPATIONS	7,780	100.0
MANAGERS AND OFFICERS	260	3.3
PROFESSIONAL OCCUPATIONS	4,440	57.1
PSYCHOLOGISTS	30	0.4
TEACHERS (PRESCHOOL)	200	2.5
TEACHERS (ELEMENTARY)	2,130	27.3
TEACHERS (SECONDARY)	1,710	21.9
EDUCATIONAL/VOCATIONAL COUNSELORS	140	1.8
LIBRARIANS	90	1.2
PROFESSIONAL NURSES	20	0.3
SPEECH/HEARING CLINICIANS	20	0.3
ALL OTHER PROFESSIONAL OCCUPATIONS	100	1.3
TECHNICAL OCCUPATIONS	60	0.8
ENGINEERING TECHNICIANS	30	0.3
LICENSED PRACTICAL NURSES	30	0.4
ALL OTHER TECHNICAL OCCUPATIONS	10	0.1
SERVICE OCCUPATIONS	1,220	15.7
JANITORS	570	7.3
GUARDS AND DOORKEEPERS	20	0.3
BREAD/PASTRY BAKERS	40	0.5
FOOD SERVICE WORKERS, N.E.C.	370	4.7
CHILD CARE ATTENDANTS	20	0.3
NONWORKING SERVICE SUPERVISORS	60	0.8
NURSE AIDES/ORDERLIES	40	0.5
CHILD CARE WORKERS	20	0.2
SCHOOL MONITORS	80	1.0
ALL OTHER SERVICE OCCUPATIONS	10	0.2
MAINTENANCE AND PRODUCTION OCCUPATIONS	590	7.6
AUTOMOTIVE MECHANICS	30	0.3
TRUCK DRIVERS	20	0.3
BUS DRIVERS	280	3.6
NONWORKING SUPERVISORS	10	0.1
GENERAL UTILITY MAINTENANCE REPAIRERS	120	1.5
TRADES HELPERS	20	0.3
MAINTENANCE PAINTERS	20	0.2
PRESS OPERATORS	30	0.3
STATIONARY BOILER FIRERS	20	0.2
GARDENERS	40	0.5
ALL OTHER MAINTENANCE AND PRODUCTION OCCUPATIONS	10	0.1

Table 8 (Cont.)

LAS VEGAS SMSA, APRIL 1978
ESTIMATED OCCUPATIONAL EMPLOYMENT IN ELEMENTARY AND SECONDARY SCHOOLS
(SIC 821)

Occupation	Estimated Employment	Percent of Total Employment
CLERICAL OCCUPATIONS	1,200	15.4
HAND BOOKKEEPERS	20	0.3
GENERAL OFFICE CLERKS	60	0.7
SECRETARIES	170	2.2
TYPISTS	240	2.4
TEACHER AIDES/EDUCATIONAL ASSISTANTS	660	8.4
STOCK CLERKS	20	0.3
PLANT CLERKS, N.E.C.	10	0.1
ALL OTHER CLERICAL OCCUPATIONS	20	0.3

Note: Totals may not add due to rounding.

Table 9

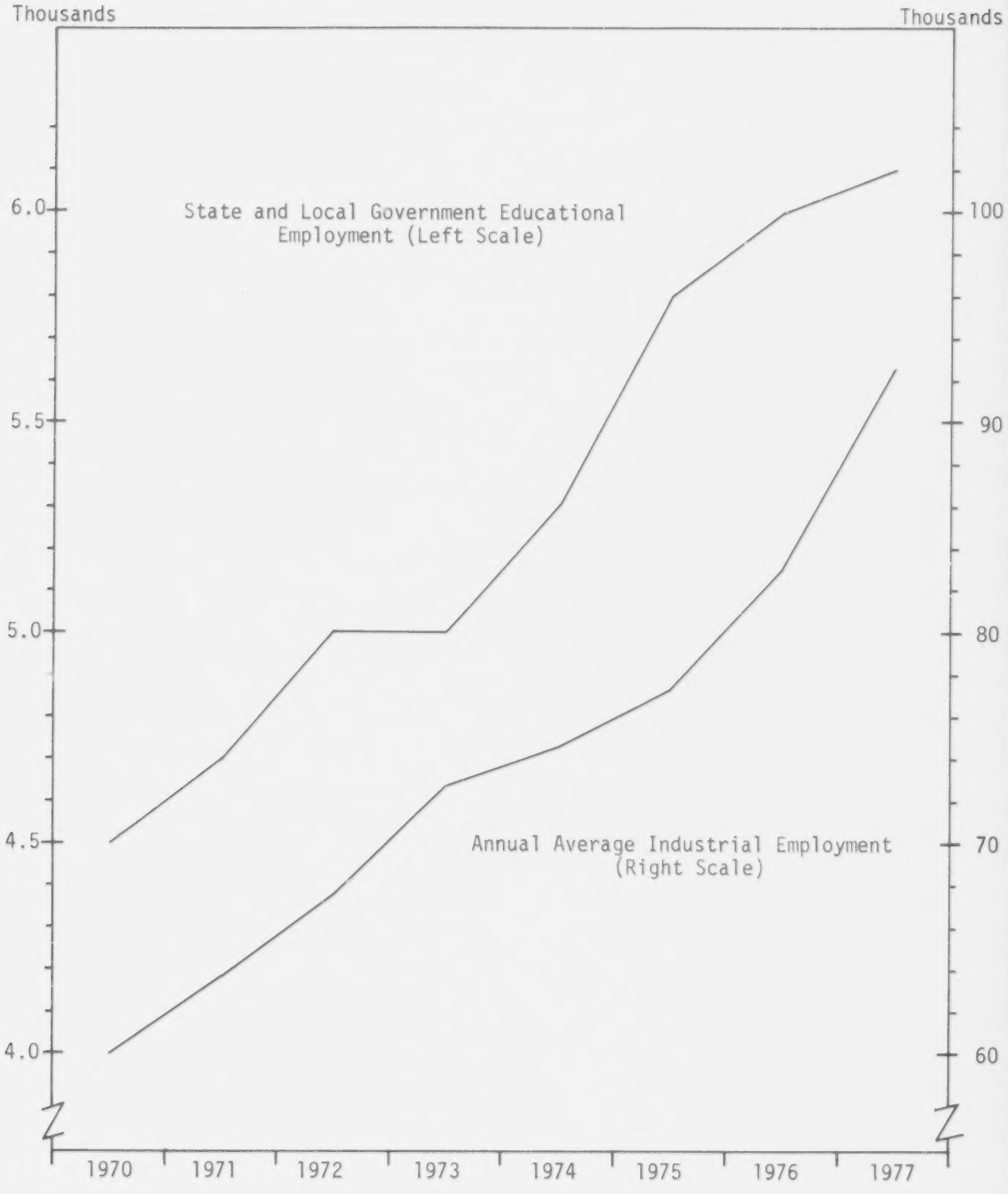
LAS VEGAS SMSA, APRIL 1978
ESTIMATED OCCUPATIONAL EMPLOYMENT IN COLLEGES,
UNIVERSITIES, PROFESSIONAL SCHOOLS, AND JUNIOR COLLEGES
(SIC 822)

Occupation	Estimated Employment	Percent of Total Employment
ALL OCCUPATIONS	1,290	100.0
MANAGERS AND OFFICERS	80	6.2
PROFESSIONAL OCCUPATIONS	830	64.6
TEACHERS (COLLEGE)	710	55.0
EDUCATIONAL/VOCATIONAL COUNSELORS	20	1.2
GRADUATE ASSISTANTS	80	6.5
LIBRARIANS	20	1.7
SERVICE OCCUPATIONS	70	5.3
JANITORS	60	4.4
ALL OTHER SERVICE OCCUPATIONS	10	0.9
MAINTENANCE AND PRODUCTION OCCUPATIONS	70	5.7
GARDENERS	30	2.6
ALL OTHER MAINTENANCE AND PRODUCTION OCCUPATIONS	40	3.0
CLERICAL OCCUPATIONS	230	18.2
STENOGRAPHERS	20	1.6
ACCOUNTING CLERKS	20	1.2
GENERAL OFFICE CLERKS	50	3.9
LIBRARY ASSISTANTS	30	2.3
SECRETARIES	40	2.9
TYPISTS	60	4.4
ALL OTHER CLERICAL OCCUPATIONS	30	1.9

Note: Totals may not add due to rounding.

RENO

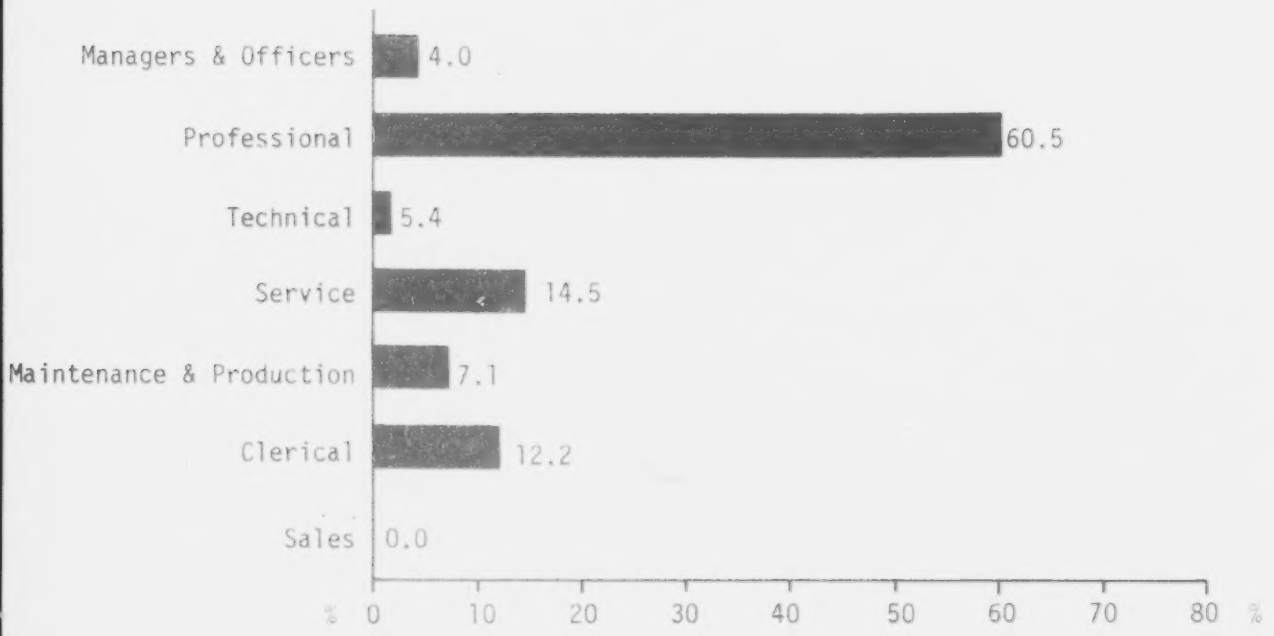
Annual Average Industrial Employment and State and Local Government Educational Employment
1970 - 1977



*(1977 - preliminary estimate)

Reno Educational Services Occupational Distribution
April, 1978

SIC 821



SIC 822

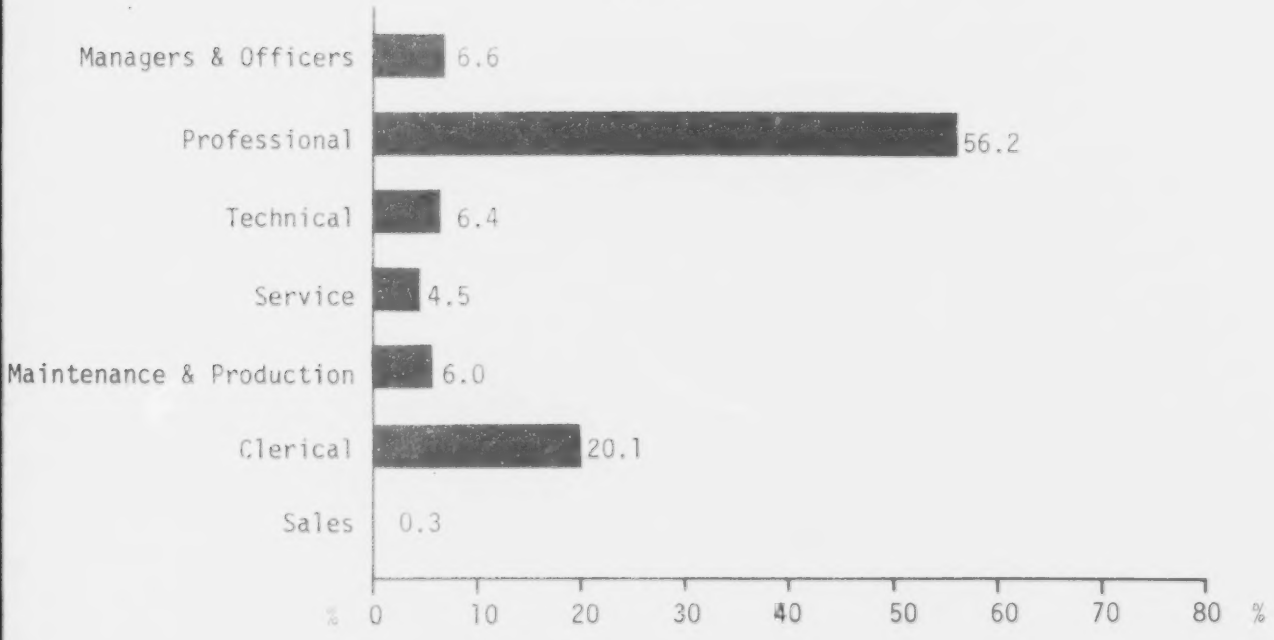


Table 10

RENO SMSA, APRIL 1978
ESTIMATED OCCUPATIONAL EMPLOYMENT IN SELECTED EDUCATIONAL SERVICES
(SIC 82, less 823)

Occupation	Estimated Employment	Percent of Total Employment
ALL OCCUPATIONS	5,250	100.0
MANAGERS AND OFFICERS	270	5.1
PROFESSIONAL OCCUPATIONS	3,080	58.7
AGRICULTURAL SCIENTISTS	40	0.8
TEACHERS (PRESCHOOL)	80	1.5
TEACHERS (ELEMENTARY)	1,200	22.9
TEACHERS (SECONDARY)	530	10.1
TEACHERS (COLLEGE)	640	12.3
TEACHERS (VOCATIONAL EDUCATION)	10	0.3
TEACHERS (ADULT EDUCATION)	40	0.7
EDUCATIONAL/VOCATIONAL COUNSELORS	90	1.7
GRADUATE ASSISTANTS	160	3.0
ACCOUNTANTS AND AUDITORS	20	0.4
LIBRARIANS	40	0.8
PROFESSIONAL NURSES	30	0.6
SPEECH/HEARING CLINICIANS	20	0.3
EXTENSION SERVICE SPECIALISTS	70	1.4
ALL OTHER PROFESSIONAL OCCUPATIONS	110	2.0
TECHNICAL OCCUPATIONS	180	3.4
SCIENCE TECHNICIANS	50	1.0
TECHNICIAL ASSISTANTS (LIBRARY)	100	1.9
ALL OTHER TECHNICAL OCCUPATIONS	30	0.5
SERVICE OCCUPATIONS	560	10.7
JANITORS	260	4.9
GUARDS AND DOORKEEPERS	30	0.5
INSTITUTIONAL COOKS	260	4.9
NONWORKING SERVICE SUPERVISORS	20	0.3
ALL OTHER SERVICE OCCUPATIONS	10	0.2
MAINTENANCE AND PRODUCTION OCCUPATIONS	350	6.6
MAINTENANCE MECHANICS	10	0.2
BUS DRIVERS	140	2.7
NONWORKING SUPERVISORS	20	0.3
GENERAL UTILITY MAINTENANCE REPAIRERS	40	0.7
MAINTENANCE PAINTERS	10	0.2
STATIONARY BOILER FIRERS	20	0.4
GARDENERS	40	0.8
OPERATIVES, N.E.C.	20	0.4
LABORERS, N.E.C.	20	0.3
ALL OTHER MAINTENANCE AND PRODUCTION OCCUPATIONS	30	0.6

Table 10 (Cont.)

RENO SMSA, APRIL 1978
ESTIMATED OCCUPATIONAL EMPLOYMENT IN SELECTED EDUCATIONAL SERVICES
(SIC 82, less 823)

Occupation	Estimated Employment	Percent of Total Employment
CLERICAL OCCUPATIONS	800	15.2
STENOGRAPHERS	60	1.0
ACCOUNTING CLERKS	20	0.4
GENERAL OFFICE CLERKS	50	1.0
SECRETARIES	200	3.7
TYPISTS	110	2.2
TEACHER AIDES/EDUCATIONAL ASSISTANTS	270	5.1
ADMISSIONS EVALUATORS	10	0.2
OFFICE CLERKS, N.E.C.	20	0.3
ALL OTHER CLERICAL OCCUPATIONS	70	1.3
SALES OCCUPATIONS	20	0.3
SALES REPRESENTATIVES	10	0.2
ALL OTHER SALES OCCUPATIONS	10	0.1

Note: Totals may not add due to rounding.

Table 11

RENO SMSA, APRIL 1978
ESTIMATED OCCUPATIONAL EMPLOYMENT IN ELEMENTARY AND SECONDARY SCHOOLS
(SIC 821)

Occupation	Estimated Employment	Percent of Total Employment
ALL OCCUPATIONS	3,290	100.0
MANAGERS AND OFFICERS	130	4.0
PROFESSIONAL OCCUPATIONS	1,990	60.5
TEACHERS (PRESCHOOL)	80	2.3
TEACHERS (ELEMENTARY)	1,200	36.5
TEACHERS (SECONDARY)	530	16.1
TEACHERS (ADULT EDUCATION)	40	1.2
EDUCATIONAL/VOCATIONAL COUNSELORS	80	2.3
LIBRARIANS	20	0.7
PROFESSIONAL NURSES	30	0.8
SPEECH/HEARING CLINICIANS	20	0.5
ALL OTHER PROFESSIONAL OCCUPATIONS	10	0.2
TECHNICAL OCCUPATIONS	60	1.7
TECHNICAL ASSISTANTS (LIBRARY)	50	1.6
SERVICE OCCUPATIONS	480	14.5
JANITORS	180	5.6
GUARDS AND DOORKEEPERS	20	0.5
INSTITUTIONAL COOKS	260	7.8
NONWORKING SERVICE SUPERVISORS	10	0.4
ALL OTHER SERVICE OCCUPATIONS	10	0.3
MAINTENANCE AND PRODUCTION OCCUPATIONS	230	7.1
BUS DRIVERS	140	4.3
NONWORKING SUPERVISORS	10	0.4
GENERAL UTILITY MAINTENANCE REPAIRERS	30	1.0
STATIONARY BOILER FIRERS	10	0.3
GARDENERS	20	0.6
ALL OTHER MAINTENANCE AND PRODUCTION OCCUPATIONS	20	0.5
CLERICAL OCCUPATIONS	400	12.2
GENERAL OFFICE CLERKS	20	0.6
SECRETARIES	80	2.5
TYPISTS	10	0.4
TEACHER AIDES/EDUCATIONAL ASSISTANTS	260	7.9
ALL OTHER CLERICAL OCCUPATIONS	20	0.7

Note: Totals may not add due to rounding.

Table 12

RENO SMSA, APRIL 1978
ESTIMATED OCCUPATIONAL EMPLOYMENT IN COLLEGES,
UNIVERSITIES, PROFESSIONAL SCHOOLS, AND JUNIOR COLLEGES
(SIC 822)

Occupation	Estimated Employment	Percent of Total Employment
ALL OCCUPATIONS	1,920	100.0
MANAGERS AND OFFICERS	130	6.6
PROFESSIONAL OCCUPATIONS	1,080	56.2
AGRICULTURAL SCIENTISTS	40	2.3
TEACHERS (COLLEGE)	640	33.6
EDUCATIONAL/VOCATIONAL COUNSELORS	10	0.7
GRADUATE ASSISTANTS	160	8.2
ACCOUNTANTS AND AUDITORS	20	1.0
LIBRARIANS	20	1.1
EXTENSION SERVICE SPECIALISTS	70	3.8
ALL OTHER PROFESSIONAL OCCUPATIONS	110	5.5
TECHNICAL OCCUPATIONS	120	6.4
SCIENCE TECHNICIANS	50	2.8
TECHNICAL ASSISTANTS	50	2.3
ALL OTHER TECHNICAL OCCUPATIONS	20	1.3
SERVICE OCCUPATIONS	90	4.5
JANITORS	70	3.8
GUARDS AND DOORKEEPERS	10	0.5
MAINTENANCE AND PRODUCTION OCCUPATIONS	110	6.0
MAINTENANCE MECHANICS	10	0.5
STATIONARY BOILER FIRERS	10	0.6
GARDENERS	20	1.0
OPERATIVES, N.E.C.	20	1.0
LABORERS, N.E.C.	20	0.8
ALL OTHER MAINTENANCE AND PRODUCTION OCCUPATIONS	40	2.0
CLERICAL OCCUPATIONS	390	20.1
STENOGRAPHERS	60	2.9
ACCOUNTING CLERKS	20	1.1
GENERAL OFFICE CLERKS	30	1.6
SECRETARIES	110	5.8
TYPISTS	100	5.1
ADMISSIONS EVALUATORS	10	0.6
OFFICE CLERKS, N.E.C.	20	0.9
ALL OTHER CLERICAL OCCUPATIONS	40	2.1
SALES OCCUPATIONS	10	0.3

Note: Totals may not add due to rounding.

Table 13

List of Occupations Included in the "All Other" Categories
of Selected Educational Services
(SIC 821, 822, 824, 829)

CHEMISTS
PHYSICISTS
BIOLOGICAL SCIENTISTS
EDP SYSTEMS ANALYSTS
WRITERS OR EDITORS
PERSONNEL SPECIALISTS
COMPUTER PROGRAMMERS
DRAFTERS
DELIVERY AND ROUTE WORKERS
ELECTRICIANS
PLUMBERS AND PIPEFITTERS
STATIONARY ENGINEERS
SKILLED WORKERS, N.E.C.
FILE CLERKS
PAYROLL AND TIMEKEEPING CLERKS
PERSONNEL CLERKS
RECEPTIONISTS
STATISTICAL CLERKS
SWITCHBOARD OPERATORS
CLERICAL SUPERVISORS
SALES CLERKS

Note: The "All Other" categories in the detailed 3 digit industries may include some occupations which are identified in the major 2 digit industry group.

METHODOLOGY

The Survey

The occupational data were developed from a universe survey of educational establishments located within the State of Nevada. The list of schools was compiled from a variety of sources including the ES 202 report; State Department of Education listings of public, private, and church affiliated schools; the Nevada Commission on Postsecondary Institutional Authorization register of licensed private postsecondary institutions; and local telephone directories. Every effort was made to insure that all appropriate institutions were surveyed. The universe consisted of 171 establishments (school districts were counted as one establishment). Of that total, 53 were either out of business or had no employees at the time of the survey; therefore 118 usable responses were received. Since benchmarks were not available for all institutions, the reported employment was used for this purpose. Table 14 details the universe size and the usable response from each detailed group (three digit SIC).

Collection Procedures

Most of the survey data were collected through mailed questionnaires to employers, with a follow-up sent to initial nonrespondents. The telephone was used to clarify responses and to contact all mail-out nonrespondents.

The Estimating Procedure

Estimates were generated for the Las Vegas SMSA, the Reno SMSA, and the balance of state by detailed industry groups (three digit SIC). To

determine final occupational breakdowns for each industry group within each area, all associated establishment responses were summed.

Using roll-up programs, the detailed industries were aggregated to form the major industry group (two digit SIC) at the area level; the area estimates were combined to form state totals at the three digit level; and the area and three digit breakdowns were consolidated to construct a state by two digit industry profile. The criteria for publication, which were identified in the introduction, apply to any level of aggregation of the estimates.

Sampling and Nonsampling Error

Because the occupational tables were developed through a complete response to an apparent universe survey, no sampling error is identifiable. However, the survey was subject to nonsampling error. Nonsampling error results from incorrect responses, ineffective processing techniques, computational errors, etc. Although every effort was exercised to control these problems, the possibility still exists that they could affect the accuracy of the estimates.

Table 14

OES EDUCATIONAL SERVICES SURVEY UNIVERSE AND USABLE RESPONSE
(1972 SIC)

Detailed Industry Group	Establishments Surveyed	Usable Responses*	Reported Employment
821	69	61	14,151
822	11	10	3,576
824	46	31	211
829	45	16	109
TOTAL	171	118	18,047

*Respondents that reported some employment

NEVADA OES PUBLICATIONS

Occupational Profile of Selected Nevada Manufacturing Industries - 1977

Occupational Profile: Selected Transportation and Communication Industries - 1976

Occupational Profile of Selected Wholesale and Retail Trade Industries - 1976

Occupational Profile - Local, State, and Federal Government Employment - 1975

Occupational Profile of Selected Nevada Nonmanufacturing Industries - 1975 (out of print)